

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR03/01518

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 G01N 27/407

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01N 27/407, 27/00, 27/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patent and Applications for Inventions since 1947

Korean Utility Models and Applications for Utility Models since 1947

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
eKIPASS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 2001-98305 A (Tae Up Park and Gui Wha Cho) 8 Nov. 2001 see p.3 lines 24 - 43, claims and figures	1-7
Y	US 5936250 A (General Monitors, Inc.) 10 Aug. 1999 see col. 5 line 1 - col. 6 line 23, claims and figures	1-7
A	KR 1997-70800 A (Seok Jun Oh, et. al.) 7 Nov. 1997 see the whole document	1-7
A	KR 1998-10414 A (Teledine Industries Inc.) 30 Apr. 1998 see the whole document	1-7

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 24 NOVEMBER 2003 (24.11.2003)	Date of mailing of the international search report 25 NOVEMBER 2003 (25.11.2003)
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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR03/01518

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2001-98305 A	08.11.01	US 6359567 A JP 2001317797 A2	19.03.02 16.11.01
US 5936250 A	10.08.99	WO 9905508 A1 AU 8299198 A1	04.02.99 16.02.99
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KR 1998-10414	30.04.98	US 5788832 A JP 10115600 A2 EP 819936 A1	04.08.98 06.05.98 21.01.98